

OUTLOOK

The University of Maryland College Park

February 8, 1988

Friedel on High
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GRAPEVINE:

What can we do at UMCP to attract more Black students to our graduate programs?

Leo Damrosch, Acting Associate Dean for Academic Affairs, Office of Graduate Studies and Research:

"The paucity of Black graduate students is very much a national problem. In 1982 only 4.2 percent of graduate students were Black, down from 5.1 percent in 1976 (other minorities have not declined). About 1,000 Blacks receive Ph.D.s annually in the entire country; over 500 of these are in education, as contrasted with 75 in the physical sciences and engineering. The Office of Graduate Studies and Research is deeply committed to attracting minority students to College Park. We offer multi-year fellowship packages; we help to pay for campus visits and departmental recruiting trips, and we fund tutorial and other assistance that some students may need. In our experience, the crucial contacts are forged at the departmental level. Those departments that have recruited most successfully have developed direct professional relationships with colleagues at historically Black colleges, have actively recruited minority students, and have established support systems and mentoring to help them complete their programs successfully. Last fall we explored these matters in some detail at a workshop for graduate directors; interested departmental representatives can obtain a summary of the proceedings from me if they have not done so already."

Mary Anne Waikart, Director, Master's Program, College of Business and Management: "Years ago we made a decision to do all we could to get minority students into our MBA program. One of the first things we realized was how difficult it was to attract Black students to a place where there were no Black students already. We were able to bring our first minority students into the program by offering a variety of incentives to them—scholarships, teaching assistantships, tutoring and others. Within a few years we went from zero to three percent to eleven percent—which is where we are today. My goal is for 25 percent minority enrollment...We've found that one of the most attractive aspects of our program to minority students is our placement effort in which students get an opportunity to meet

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Governor Introduces Plan for Higher Education

On February 1 an anxious Maryland General Assembly finally received legislation detailing the Schaefer Administration's plan to restructure Maryland's higher education system. The Governor's plan consolidates eleven of the State's four-year public colleges and universities under a single UM system governing board and establishes the Maryland Higher Education Commission (MHEC), a seven voting-member board charged with coordinating all elements of higher education in the State. The new commission would be assisted by a commissioner of higher education, appointed by the Governor. (Sheldon Knorr, the present commissioner, was appointed by the State Board of Higher Education.) Other noteworthy provisions include:

- The five campuses of the University of Maryland would be consolidated with the six campuses now under the jurisdiction of the Board of Trustees for State Universities and Colleges: Towson State University, Frostburg State University, Coppin State College, Salisbury State College, Bowie State College and the University of Baltimore. The present Board of Trustees of State Universities and Colleges would be abolished.
- The new UM System Board of Regents would be composed of 15 members, including the state secretary of agriculture and one voting student member (currently there are two students). Separate councils for faculty, students and campus presidents would also be established.
- St. Mary's College and Morgan State University, two other four-year public colleges that have separate governing boards, would have no change of status.
- The MHEC is charged with directing the UM Board of Regents to develop a plan to enhance the College Park Campus as the State's principal, comprehensive, doctoral degree-granting public research institution.
- Authority is given MHEC to withhold that portion of the state

subsidy given to private colleges and universities for academic programs that were not approved by the Commission or were deemed unnecessarily duplicate.

- Authority is given campuses to establish affiliated foundations for private fundraising.

- The UM Board of Regents is required to establish funding standards based on differences on size and mission of the UM system campuses.

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UMCP to Host Conference on Rotorcraft, Helicopter Research



Some of the foremost experts on rotorcraft and helicopter research from the United States, France, Germany, China, Israel and Great Britain will attend the Second International Conference on Rotorcraft Basic Research later this month.

The conference is co-sponsored by the UMCP Department of Aerospace Engineering's Center for Rotorcraft Education and Research and the American Helicopter Society. It will be held at the Center of Adult Education Tuesday through Thursday, February 16-18.

This second meeting of the international helicopter community is expected to review and summarize current research on rotorcraft aerodynamics, vibrations, stability and control, structures and loads, and the application of lightweight composite materials to helicopter design and construction, according to Alfred Gessow, chair and professor of

aerospace engineering.

A similar conference was held in February 1985.

"We also expect to highlight major gaps in our knowledge which inhibit the design of improved rotorcraft and to discuss research approaches that might make significant advances in these problem areas," he says.

The conference will emphasize further understanding of the physical principles that underlie the behavior of rotorcraft and of improved analytical tools that permit the prediction and optimization of such behavior, Gessow adds.

The conference will feature a series of seven working sessions. Experts on rotary-wing aircraft from the civilian, military and academic research communities will deliver papers and take part in panel discussions. Gessow expects that more than 150 participants will attend the conference. ■

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Speaker Says Universe Infers Existence of Creator

On Monday Feb. 15, Stanley L. Jaki from Seton Hall University will present the CHPS colloquium, "Religion and Cosmology." The colloquium will explore modern scientific cosmology which is a first in the history of science. Modern cosmology provides a contradiction-free discourse about the universe—the very basis of any inference to the existence of a Creator. The lecture will deal with the various reactions to that inference in the cosmological and theological literature of the past half century. The colloquium will begin at 4:15 p.m. in Room 1117 Francis Scott Key Hall.

RESEARCH UPDATES

UMCP Scientists Developing New Power Sources for Particle Accelerators

A new generation of microwave radio frequency sources that will drive the very high energy linear accelerators of the future is being developed by a team of UMCP electrical engineers. The energy required would be in the range of 1 TeV, or 10 to the 12th electron volts.

This represents a 20 fold increase over the energy in electron/positron colliders now being commissioned by high energy physicists.

Sometime next summer, electrical engineering professors Victor L. Granatstein, Charles D. Striffler and Martin P. Reiser hope to have the first demonstration of the gyro-klystron, a five-foot high vacuum tube operating at a microwave frequency of 10 GHz (10 to the 10th cycles per second) with a peak power of 30 megawatts that can be boosted to several hundred megawatts in 100 nanosecond pulses by pulse compression techniques. This gyro-klystron represents a thousand fold increase in peak power compared with gyro-klystrons which have been developed in the past. Gyro-klystrons are high frequency vacuum tube amplifiers operating at the electron cyclotron frequency that according to design calculations can produce microwaves with power outputs of 30 to 60 megawatts at wavelengths of three centimeters. Sources of radio frequency power of this magnitude must be operated pulsed (they will not survive continuous service) but that is compatible with the electron and positron beams in the accelerators which are delivered in short bursts.

Within the international high-energy physics community there is considerable interest in the development of linear accelerators capable of producing electron and positron beams at much

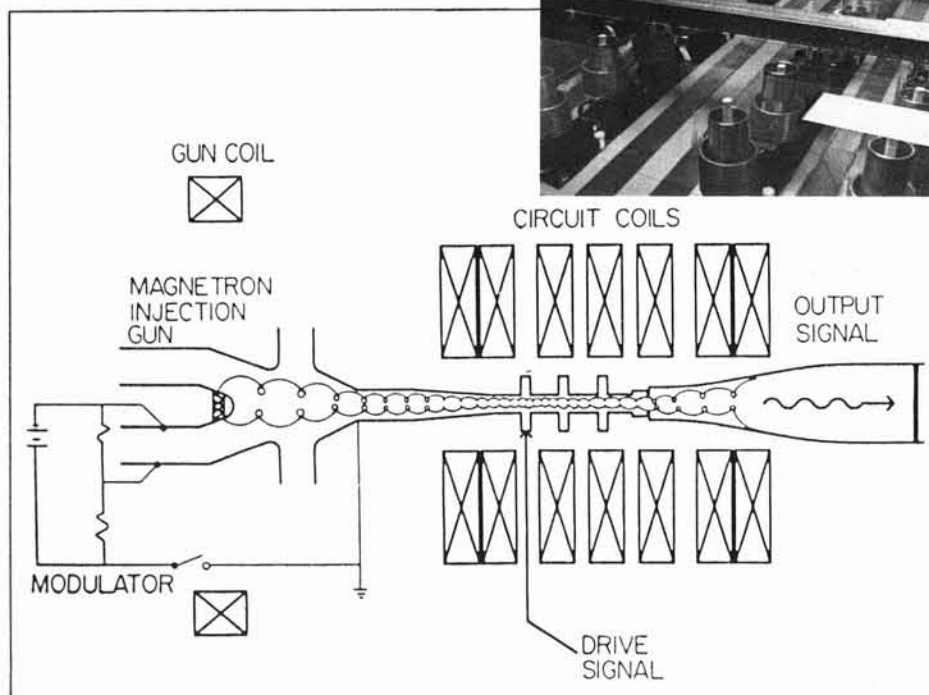
higher energy levels than now exist.

"Elementary particle research physicists believe that if these higher energy levels can be achieved, electron/positron collisions will generate particles that may have existed at the time of the 'big bang,' the birth of the universe," Granatstein says. Furthermore, he says, electron/positron collisions are much less plagued by background noise than proton/anti-proton colliders such as the proposed Superconducting Super-Collider (SSC). A 1 TeV electron-positron collider is approximately equivalent in energy per elementary particle to the SSC.

Since 1985, under an annual \$650,000 grant from the Department of Energy's High Energy Physics Division, UMCP researchers have been working on developing the gyro-klystron and its modulator, which generates 500 kilovolts at 400 amperes and is the most powerful of its kind in the world. UMCP is the only university in the country conducting research in this area.

The gyro klystron and its modulator will be housed in a bunker with walls three concrete blocks thick and a roof canopied with lead. "When the gyro klystron is activated," Striffler says, "a lot of X-rays are going to be bouncing around." The shielded bunker will contain those rays, he says. The bunker is located in the high ceilinged bay of the Laboratory for Plasma and Fusion Energy Studies.

A gyro-klystron amplifier consists of two or more cavities separated by drift spaces all immersed in an axial magnetic field. The first cavity is used to modulate energy in the spiralling



Prof. Victor Granatstein, Wes Lawson, research associate, and Prof. Charles Striffler.

electron beam by introduction of an externally applied microwave signal. Electrons are originally accelerated to high velocity by a potential of 500 volts. They enter the first cavity of the gyro-klystron circuit where they are acted upon by a radio frequency field, causing a bunching-up effect. Phase modulation of the electrons in their bunched-up state induce a strong signal as the stream passes through the final resonator cavity.

Scientists have pushed conventional klystrons about as far as possible in the existing 50GeV (50 gigaelectron volts or 50,000,000,000 electron volts), three kilometer-long Stanford Linear Accelerator, Granatstein notes.

If these conventional microwave sources were used to drive the future 1 TeV super-collider, the facility would be about 100 kilometers long and its cost would be prohibitively expensive.

But by tripling or quadrupling the microwave frequency, as is possible with gyro-klystrons, the collider's accelerating gradient could be increased many-fold with a corresponding decrease in accelerator length and cost.

The super-collider would require thousands of gyro klystrons. Each, if mass produced, would cost approximately \$250,000, Granatstein estimates. ■

—Tom Otwell

Eight UMCP Faculty Among 1987-88 Fulbright Scholars



Eight members of the UMCP faculty are among the over 900 scholars, academics, and professionals who have received awards under the Fulbright Scholar Program in 1987-88. The Fulbright program, administered by the Council for International Exchange of Scholars, allows participants to travel, lecture, consult and conduct research in countries throughout the world. The council, an affiliate of the American Council of Learned Societies, cooperates with the United States Information Agency in administering the Fulbright program.

The following College Park faculty received Fulbrights for 1987-88: —Richard A. Ahrens, professor, Food, Nutrition, and Institution Administration, is lecturing in biological sciences at Egerton College, Njoro, Kenya, from Aug. 1987 to June 1988.

—Charles F. Alford, associate professor, Government and Politics, is lecturing in philosophy at the University of Mannheim, Mannheim, Federal Republic of Germany, from Sept. 1987 to Feb. 1988.

—Galal H. El-Nahal, assistant professor, History, will research the history of Islamic legal institutions at Ain-Shams University, Cairo, Egypt, from Jan. 1988 to May 1988.

—James B. Gilbert, professor, History, lectured in 20th century cultural history at the University of Sydney, Sydney, Australia, from July 1987 to Nov. 1987.

—Hans R. Griem, professor, Physics and Astronomy, is lecturing on quantitative spectroscopy at Tel Aviv University, Tel Aviv, Israel, from Oct. 1987 to Feb. 1988.

—Herbert Levitan, professor, Zoology, researched information processing by neural networks at Belgrade University, Belgrade, Yugoslavia, from Oct. 1987 to Jan. 1988.

—Jerome B. Meadows, assistant professor, Art, is lecturing in art and art history at the National College of Arts, Lahore, Pakistan, from Sept. 1987 to June 1988.

—Forrest Tyler, professor, Psychology, lectured in psychology at various institutions in Bogota, Colombia, from May 1987 to Aug. 1987. ■

OUTLOOK

OUTLOOK is published weekly during the academic year by the Office of Institutional Advancement for the faculty and staff of the University of Maryland College Park Campus.

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The Story of Black History Month

The celebration of Black History Month began nearly 90 years ago when Blacks in some parts of the United States commemorated the birthday of Frederick Douglass. Born a slave, Douglass escaped to freedom and became one of the key figures in the anti-slavery movement. In 1916, the newly-founded Association for the Study of Negro Life and History, began publishing the *Journal of Negro History* which provided an outlet for the writings of black and white scholars of black

history. Eventually, the association decided to set aside a special week in February to call attention to the achievements of Blacks which were almost completely ignored by the white educational system. Then, in the 1960s, Blacks in America began a fresh search of Black history, one that tapped their African roots and by 1976, Negro history week been expanded to an entire month and renamed Black History Month.

Governor Presents Plan

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• Beyond enhancing the UMCP campus, the UM Board of Regents is also required to develop, enhance and coordinate graduate and professional instruction at a second principal center of research in the Baltimore metropolitan area.

Meanwhile, proceeding on a parallel plane is the Governor's proposed FY89 budget. Higher education officials were disappointed to learn that the \$50 million enhancement fund for colleges and universities that had been announced earlier by the Schaefer Ad-

ministration did not appear in the Governor's initial budget. Speculation exists that a modest amount of enhancement funds may appear in a gubernatorial supplemental budget to be introduced later in the General Assembly. Unfortunately, some fiscal analysts suggest that because the Governor's current budget already exceeds spending affordability limits established by the legislature, the \$50 million fiscal "carrot," which was supposed to tempt supporters to the reorganization plan, already has been nibbled away. ■

—Brian Darmody

College of Journalism Establishes First College-Wide Computer Network



Typewriters are old news at the College of Journalism. Dean Reese Cleghorn and Vice Chancellor William E. Kirwan symbolically dispose of a revered tool of the trade as Academic Affairs' Sapienza Majeski and Journalism's Kathleen Kelly and Charles Rhodes look on.

Clear, concise, easy to understand. Those are the basic goals of professional journalists, so it's not surprising that the College of Journalism is the first on campus to set up a college-wide computer network that Associate Dean Kathleen Kelly calls "the epitome of simplicity."

The system went on-line last month, and today as you walk along the fourth floor of the Journalism Building you can hear the distinct sounds of keyboard clicking from the faculty offices lining the halls.

"Journalists are trained to compose at the keyboard," says Dean Reese Cleghorn. "Computers and text processing were made for us; after all, how many faculties do you know that are trained in touch typing?"

Three years ago, Journalism started its computerization. The FULCRUM IBM Lab was put in place with 18 personal computers networked to a hard disk server and an IBM laser printer.

"The teaching lab was an eye-opener," says Kelly, who came to the college at the same time as the IBM equipment. "We knew that computers were the writing tool of the

day for our students, but our faculty were still banging out papers and syllabi on 20-year-old portable typewriters; we needed to make a quantum leap into the computer age."

Leap they did. In addition to the IBM lab, Journalism also has a six-station Macintosh Lab for teaching graphics and design. But what impresses most visitors is the college's computer support for faculty, administrators and clerical staff.

All full-time employees of the college have their own personal workstation, including a printer. Yet, all are networked together and served off of a hard disk, which provides more memory and greater speed. From a faculty member's desk, he or she can communicate with everyone in the building, as well as other campus offices.

"Our network is integrated with the DEANS' network so that we can send a memo to a campus office and by hitting one key, send copies to colleagues in our own department," says Chet Rhodes, Journalism's director of technical services.

Rhodes says he is currently testing software to allow faculty or staff members to access all college resources by phone. ■

Alumni Programs Move to New Quarters



JOHN T. CONSOLI

UMCP's Office of Alumni Programs began the new year in new quarters in the refurbished North Wing of the Rossborough Inn.

The building's two-story wing, unused for some 15 years, was renovated during the fall.

According to project manager Earl White of the campus' Engineering Architectural Services, a heat pump and new electrical and water service were installed. "The old plaster walls were in deplorable condition and we had to make extensive repairs to them," he says.

In the director's office, one of the two first floor rooms, wooden

cabinets and bookshelves designed to harmonize with existing woodwork have been installed. The narrow stairway that leads to the two second floor rooms made getting furniture to them extremely difficult, notes Nancy Dall'Acqua, senior interior designer who worked on the project. Some of the new furniture, which came disassembled in boxes, had to be put together upstairs. Campus locksmiths repaired and refurbished the old existing locks and installed new solid brass door knobs.

Although now in new quarters, the Office of Alumni Programs can still be reached at 454-2938. ■

Schoenbaum Adds to Fund That Benefits UMCP

Sam Schoenbaum, distinguished professor of Renaissance literature and director of the Center for Renaissance and Baroque Studies, is continuing to give financial support to humanities programs at UMCP through a trust fund established last year.

Schoenbaum and his wife, Marilyn, recently made their second major contribution to the trust fund, which provides support to UMCP as well as the Folger Shakespeare Library and Multiple Sclerosis Society. In addition to the new gift, the Schoenbaums increased the percentage of the funds that go to programs at UMCP.

In following Schoenbaums' wishes that their contributions help enhance humanities programs, funds so far have gone to the Center for Renaissance and Baroque Studies and other College Park allocations are being seriously considered. By attaching

the gifts to specific programs, the money can draw matching funds from outside supporters.

Schoenbaum, one of the world's most respected Shakespearean scholars, came to UMCP in 1976. During this academic year, he has been honored as one of UMCP's five distinguished scholar-teachers.

Schoenbaum hopes his financial commitment to UMCP will serve as an example for similar initiatives from other faculty members.

A. H. Edwards, vice chancellor for institutional advancement, has said that gifts such as Schoenbaums' are important to UMCP because they show that faculty members believe in the institution. Moreover, such gifts not only maintain excellence in their areas of interest, but also inspire alumni and friends to support UMCP. ■

Calendar

February 8-February 17

8 MON

Black History Month: "Blues in American Culture," Archie Edwards performing, commentary by Otis Williams, 11:30 a.m. Counseling Center; presented by Nyumburu Cultural Center and the Counseling Center, call x5774 for info.

Black History Month Workshop: "Creative Job Search Strategies for Minorities," 2 p.m., 4205 Hornbake; also on Feb. 10, call x 2813 for info.

Space Science Seminar: A.T.Y. Lui, Johns Hopkins APL, 4:30 p.m., 1113 Computer and Space Sciences, call x7309 or x3966 for info.

Art Exhibit: "Skowhegan: A Ten Year Retrospective," Mon.-Fri. 10 a.m.-4 p.m.; Wed. 10 a.m.-9 p.m.; Sat.-Sun. 1-5 p.m., Art Gallery, Art/Soc. Bldg., call x2763 for info.

Black History Month Exhibits: "In Remembrance of James Baldwin," McKeldin and Hornbake Libraries, call x2853 for info. "Showcase of Prestigious Men of Phi Beta Sigma," Stamp Union. "Black History Month Showcase," James Curriculum Lab, College of Education, call x5467 for info.

9 TUE

Zoology Seminar: "Auditory Space in the Bat's Brain," George Pollak, U. of Texas, Austin, 12 noon, 1208 Zoo/Psych, call x3203 for info.

10 WED

UMCP Campus Open Forum: "The Procurement and Supply Process," 10 a.m., 0117 Reckord, call x7941 for info.

Drug Awareness Week: Kickoff, 10 a.m., Main Admin steps; Education Programs, 4 and 7 p.m., West Foyer and 2111 Stamp Union, call x2925 for info.

Counseling Center R & D Meeting: "Making Small Changes Visible," Franklin Westbrook, 12 noon, Testing Room, Shoemaker, call x2931 for info.

Arts and Humanities Collegiate Encounter: "Writing Freedom's History: Emancipation and the Meaning of Freedom in the 19th

Century," Ira Berlin, 12:15 p.m., 1102 F.S. Key, call x6790 for info.

Architecture Lecture: Lucien Kroll speaking on recent work, 7:30 p.m., Architecture Auditorium Room 0204, call x3427 for info.

Jewish Student Center Class: "Basics of Jewish Philosophy," Rabbi Kaplan, 8 p.m., one in a series of Wed. night classes, Jewish Student Center, call 422-6200 for info.

11 THU

CDICM Forum: "The Cultural Context of Knowledge Acquisition," William Hall, 12 noon, 2136 Mill Bldg., call x2506 for info.

Counseling Center Workshop: "Dollars and Sense," Financial Aid for Returning Students (25 years old and over), 2:30 p.m., 2201 Shoemaker; all students and faculty welcome; call x2935 for info.

Meteorology Seminar: "The American storm controversy and attempts to resolve it, 1834-1860," J. R. Fleming, 3:30 p.m., seminar room, Bldg. 337, call x2708 for info.



University Theatre Production: *Children of a Lesser God*, 8 p.m., Tawes; tickets \$7 (\$5.50 senior/student); also on Feb. 12-13 and 18-20 at 8 p.m., Feb. 14 at 2 p.m.; call x2201 for info.*

Women's Studies Research Forum: deadline for registration; Forum on Feb. 19, 4-9 p.m.; presentations by Maurine Beasley, Harriet Presser, Margie Burns, Laurie Lippin, Kathleen Carroll and Laurissa Grunig; cost \$15.25 (includes dinner), call x3841 to register.*

Dyslexia: You Can Help

Dyslexia, a learning disturbance involving the ability to read and sometimes to write, is a disability that has not deterred some dyslexic UMCP undergraduates. With the assistance of the Counseling Center's William Scales as faculty advisor, they have formed the Dyslexic Students Association and for their first program are sponsoring a lecture by Larry Silver on "Knowing and Working with the Learning Disabled College Student" on Feb. 10 at 12 noon, 1143 Stamp Union. The presentation should be of wide interest to faculty and TAs alike. The students say they are looking for understanding but not short cuts. Call 983-7127 for more information about the lecture or the support group.



Valentine Treat pianist Juliana Markova will perform on Feb. 14 at 3 p.m. in the Center of Adult Education. One of the University Community Concerts, her program will include music of Haydn, Schumann, Scriabin and Prokofiev. Call x6534 for ticket info.*

Institute for Advanced Computer Studies Lecture: "An Urnful of Blending Functions," Ronald Goldman, U. of Waterloo, 4 p.m., 1112 Williams, call x1808 for info.

Black History Month Workshop: "Minority Student Survival: Issues and Answers," Center for Minorities, 7 p.m., 2208 LeFrak, call x4225 for info.

Early American History Seminar: "Completing the Revolution in Maryland," Edward Papenfuse, 8 p.m., 1104 Stamp Union, call x2843 for info.

12 FRI

Black History Month Workshop: Pre-Job Fair Orientation, 2 p.m., 4205 Hornbake, sponsored by the Career Development Center, call x2813 for info.

Music Lecture: "Historical Painting and French Grand Opera," Jurgen Maehder, U. of Bern, 3 p.m., 2102 Tawes, call x2501 for info.

Dance Concert: *Looking Back*, Fifth Annual Choreographer's Showcase, Improvisations Unlimited, 8 p.m., Publick Playhouse, Hyattsville; tickets \$8 (\$6 senior/student), call 277-1710 for info.*

13 SAT

Dance Day, a day of dance classes, workshops, and performances presented by the Dance Department, 9 a.m. to 5 p.m., Temporary Bldg. EE, call x4056 or 4656 for info.

14 SUN

University Community Concert: Juliana Markova, piano, 3 p.m., Center of Adult Education; music of Haydn, Schumann, Scriabin and Prokofiev; tickets \$13 (\$10.50 senior/student), call x6534 for info.



Entomology Colloquium: "Learning in Insect Parasitoids," Louise Vet, Wageningen Agricultural U., Wageningen, The Netherlands, 4 p.m., 0200 Symons, call x3843 for info.

History and Philosophy of Science Colloquium: "Religion and Cosmology," Stanley Jaki, Seton Hall U., 4:15 p.m., 1117 F.S. Key, call x2850 for info.

Cultural Carnival Performance: Stanley Turrentine in Concert, blues-rooted saxophone and the University of Maryland Jazz Ensemble; tickets \$11, \$9, \$4, call x4987 for info.*

15 MON

Intermural Indoor Soccer, Intermural Horseshoes Singles, and Intermural Racquetball Doubles Information available at Campus Recreation Services, 1104 Reckord Armory, call x3124.

Office of International Programs Seminar: "Agricultural and Extension Education in the People's Republic of China," Elmer Cooper, 12 noon, 0115 Symons, call x6407 for info.

Black History Month Concert: "Turner's Arena," jazz band, blues vocalist and tap dancer Napoleon Turner and Brother Black, 1 p.m., Nyumburu Cultural Center, 3123 S. Campus Dining Hall, call x5774 for info.

Computer Science Colloquium: "Thirty Years of Numerical Linear Algebra," Gene Golub, Stanford U., 4 p.m., Classroom CLB, call x4244 for info.

16 TUE

Human Relations Workshop: "Working Better with People: Developing more effective human relations skills," Jessie Colson, 9 a.m.-4 p.m., Prince George's Room, Stamp Union; cost \$30; deadline for registration Feb. 12; call x4124 or x4707 for info.*

Retired Volunteer Service Corps Meeting: "Lincoln's Assassination," Rudolph Pugliese, 1 p.m., Maryland Room, Marie Mount; social hour to follow; call x4767 for info.

17 WED

Minority Student Job Fair: 9 a.m.-4 p.m., Grand Ballroom, Stamp Union, call x4901 or x2813 for registration info.

*Admission charged for this special event. All others are free.

COMING ATTRACTIONS

Minorities in the Media

A panel of electronic and print media professionals will discuss "Kerner Plus Twenty," a look at what the Kerner Report said about minorities in the media at 3 p.m. on Feb. 22 in the Nyumburu Cultural Center (Room 3123 South Campus Dining Hall). Co-sponsored by the College of Journalism and Sigma Delta Chi, the event is free and open to all.

Dance Event

Solo dance artist Robert Small, a guest artist who will spend a week on campus working with students, will also present two dance concerts open to the public at 8 p.m. on Feb. 19 and 20. A riveting performer, Mr. Small has been acclaimed for his diverse and innovative programs set to classical, electronic and jazz scores. Tickets are \$8 (\$5 senior/student). Call x4056 for info.*



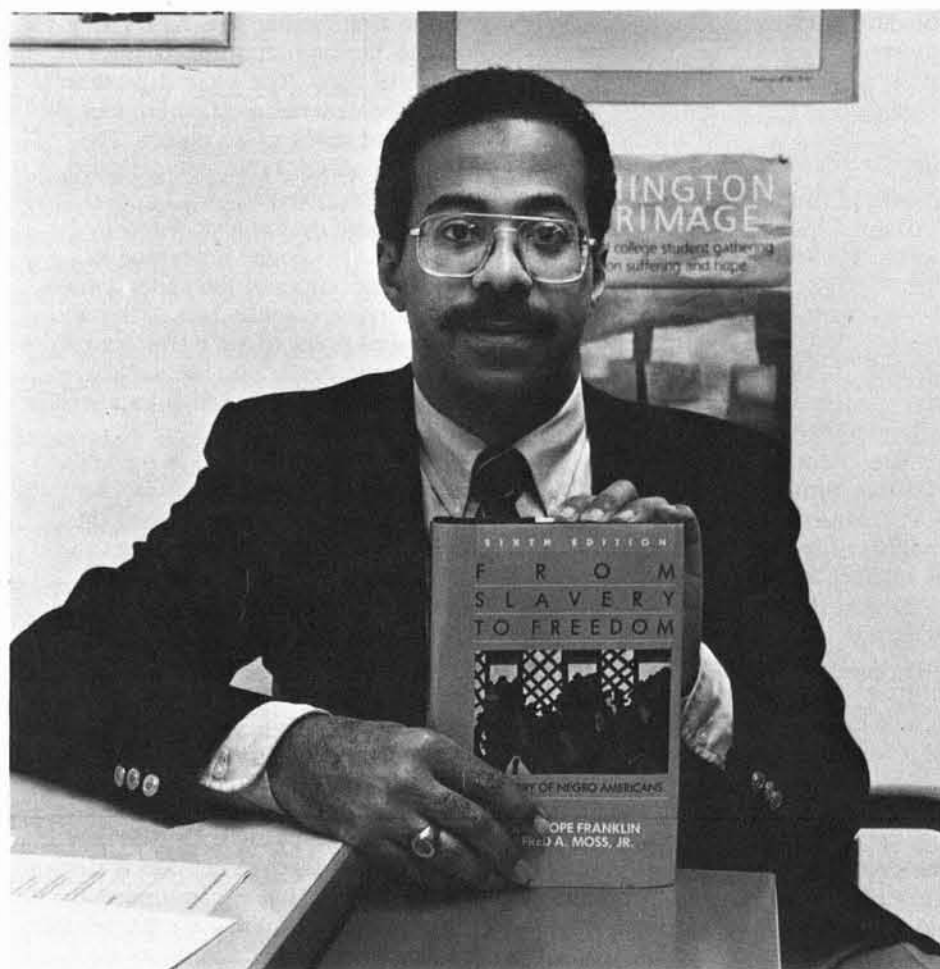
Arts and Humanities' Collegiate Encounter To Feature Ira Berlin

In honor of Black History Month, Professor of History Ira Berlin will present a talk entitled "Writing Freedom's History: Emancipation and the meaning of Freedom in the 19th Century" at the College of Arts and Humanities' Spring Collegiate Encounter on Wednesday, February 10 at 12:15 p.m. in the Arts and Humanities Conference Room, Francis Scott Key Hall.

In 1986 Berlin received the American Historical Association's J. Franklin Jameson Award for Outstanding Editorial Achievement for his work on *Freedom: A Documentary History of Emancipation, 1861-1867*. Berlin's presentation is free and informal, open to all, and may or may not be "brown bag affair," depending on individual preference. For more information, call 454-6790.

ARTS AT MARYLAND

Moss Helps Revise Classic History Book



Alfred Moss

A UMCP scholar has played a key role in giving a rebirth to one of Black history's landmark works.

Alfred Moss, associate professor of history, is co-author of the recently released sixth edition of *From Slavery to Freedom*. When it was originally written in 1948 by historian John

Hope Franklin, the book offered the first comprehensive and objective history of Black Americans.

The new edition updates and expands the original work. It incorporates new scholarship, especially in its African and Latin American sections, and there is material on recent history including the Reagan years.

Moss and Franklin split writing chores on the project. Franklin, a much-honored historian who currently teaches at Duke University, had asked Moss, a student of his in the mid-1970s, to participate in the project. Moss also credits UMCP history department colleagues Marie Perinbam and Winthrop Wright with contributing to the project.

"John Hope Franklin is such an eminent scholar that for him to share this project with me is an enormous honor," Moss says. "Until this book, there had been no comprehensive history of Black Americans that was academically respected."

The new edition is published by Alfred A. Knopf.

With *From Slavery to Freedom* finished, Moss is working with Eric Anderson of Pacific Union College on a study into a relatively unexplored subject—the relationship between philanthropy and Black education from the turn of the century through World War II.

During this period private foundations established by such business leaders as the Rockefellers, Rosenwalds and Phelps-Stokeses virtually controlled Black education in the South, Moss says. The foundations pumped millions of dollars into Black education while dictating how the money would be spent. They decided whether specific schools, scholarships and libraries would receive support.

This influence was not entirely beneficent, Moss says. Often the programs became tools for social engineering, he argues. Moss sees a parallel between the foundation system and colonial governments. In fact, the governor of Great Britain's

colony in Ghana sought advice from the foundations in developing an educated native class that would be supportive of the Empire.

The policies of the foundations had a profound effect on the opportunities available to those who would become educated Black Americans, Moss says. The foundations placed little emphasis on the humanities, sciences and most of the professions in Black schools. Instead, Blacks were steered toward artisanry, agriculture and domestic service. There was some interest in developing teachers, preachers and medical personnel but that was only so Blacks rather than whites could serve Blacks in those fields.

Moss became interested in the role of the foundations in Black education through an earlier study on Black intellectuals of the late 19th and early 20th centuries. One of the great concerns of these intellectuals was in bringing Blacks the education they needed to join the middle and upper classes, and this effort became entwined with the foundations.

"The Black intellectuals had love-hate relationships with them (the foundations), but they were the only source of money. They had to learn to live with the foundations," Moss says.

Moss and Anderson plan sometime this year to complete their book, *Dangerous Donations? The Relationship Between Northern Philanthropy and Southern Black Education*, the first of a three-volume series on the subject. ■

—Brian Busek

Metal Shop Is Artist's Studio

For John Ruppert, art is a brawny and big-shouldered business.

When he moved late last summer from St. Louis to Maryland to join the College Park art faculty, he packed 40,000 pounds of his material into a trailer. Upon arrival he started work on one of his most important assignments—firing up a blast furnace.

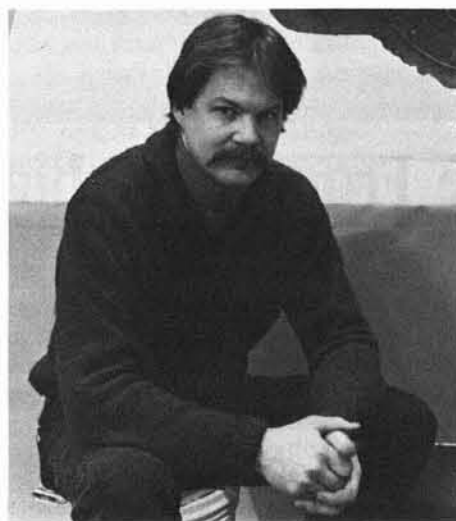
Ruppert is the art department's new expert in metal sculpture. And while Ruppert is a skilled artist whose work has received many positive reviews for its aesthetic qualities, his current job requires shop foremanship as well as sensitivity.

"We're trying to pull the (department's metal-making) process into the 1980s," Ruppert says. "I want the students to get an idea of how this stuff is made and explore how you use the process to get more from the material....We do work with fire early on in the semester so they understand what this is all about."

Working with metal demands an understanding of materials and how to shape them. Aluminum, bronze, brass, copper and steel are heavy and resistant to changing shape.

An artist must heat his or her material to extremely high temperatures so that it becomes a liquid that can be shaped by being poured into a mold. It's a sweaty business, says Ruppert.

The artist's ability to perform depends a great deal on the equipment available. In recent years conditions have been inconvenient and temporary at UMCP. Students did their work on a small blast furnace outside the Art/Sociology building. Another, partially assembled furnace with triple the capacity was available inside the building, but it had never been fired. Ruppert and graduate students have been finding replacement parts and checking connections in the effort to get the gas-fired furnace in



John Ruppert

working order. They hope to have it going sometime this semester.

Ruppert, who first aspired to making jewelry, was drawn to metal during his undergraduate days at Miami University in Ohio.

"Doing that, I worked with hollow wear and forging. I really liked the qualities of the metal," Ruppert says. "It's resistant and yet forgiving. When you heat it up, it's like butter, so soft that you can shape with your hands."

He has written about his work, "Process is integral to the content of my work.....My ideas develop in the negative, that is, in the void that becomes a container to shape the metal. While pouring into an open-faced mold, I can watch the metal as it fills the mold and control the quantity and rate in which it enters. The form and surfaces of the sculptures retain evidence to their fiery and violent origins."

Among Ruppert's most recent exhibitions was a one-person show last fall at the George Ciscle Gallery in Baltimore. He has an \$11,000 grant from Missouri Arts Council in conjunction with the Red Cross for a show this spring in St. Louis. ■

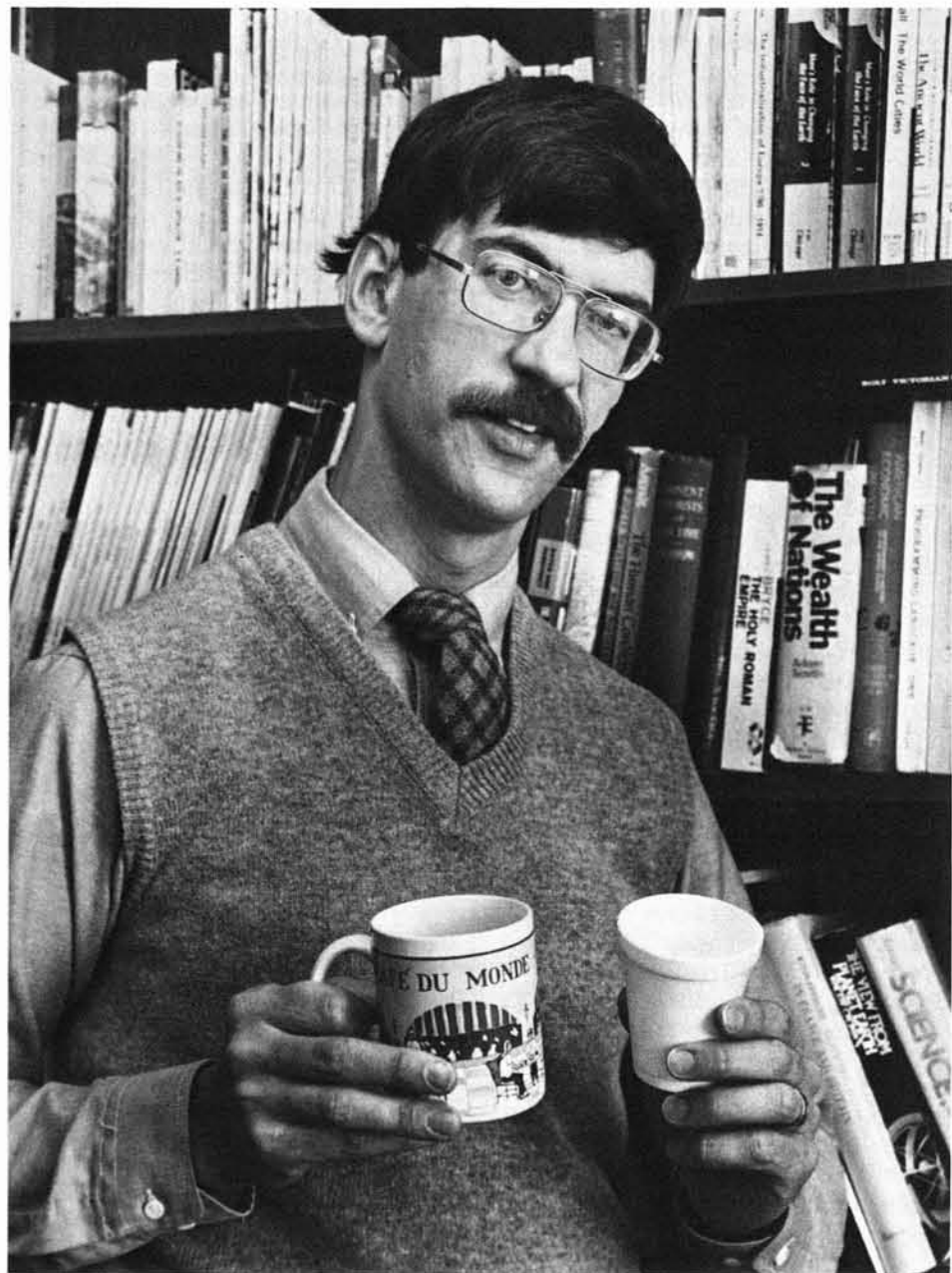
ODK Looking for Leaders

The national honor society Omicron Delta Kappa is looking for some outstanding students to honor this semester. Faculty are asked to submit names of outstanding student leaders in these five areas of campus community life: scholarship; social service/religious activities/student government; athletics; journalism/speech and the mass media; and creative and performing arts. If they are juniors, students nominated for awards

must have at least a 2.90 GPA and be earning 56-85 credits. If seniors, their minimum GPA must be 3.05 and they must be carrying 86 credit hours. Graduate student candidates need a 3.75 GPA in order to qualify. Applications can be picked up in the Office of the Vice Chancellor of Student Affairs, 2108 North Administration. The deadline for submitting names to ODK is Feb. 17, 1988.

CLOSE UP

Friedel Takes Material View of History



Historian Robert Friedel doesn't have much professional use for the Founding Fathers or the generals of the Union and Confederate armies.

When Friedel considers the times of these colorful figures, he's more inclined to analyze the mixture of ink

on Thomas Jefferson's pen rather than the writing of the Declaration of Independence or the metals in Stonewall Jackson's sword rather than the implications of his decisions in Civil War battles.

Friedel studies the history of technology. He explores the origins of man's handiwork and the impact

that different inventions have had on history.

Friedel has written historical studies about the light bulb and plastics, articles about aluminum, transistors and bakelite and is currently working as primary consultant on a museum exhibit and book on the role materials play in our culture. The museum exhibit, "A Material World," is scheduled to open this April at the Smithsonian Institution's National Museum of American History.

An ounce of inspiration during his undergraduate days at Brown University led Friedel to take his unusual academic turn.

As a student, Friedel was pursuing studies in history and science when his interest focused on another subject.

"That was in the late 1960s when there was a sense that technology was running things," he says.

"I felt that to study technology would tell me more about why the world is the way it is than any other historical subject. To use a word common in those days, it was very relevant."

With no formal program for the history of technology at his school, Friedel invented his own program, and it received approval from the university administration.

Friedel has been in the field ever since. Before coming to UMCP in 1984, in addition to teaching at Clarkson College and Cooper Union, both in New York, he worked for four years with the Smithsonian Institution and another four years at the Institute of Electrical and Electronics Engineers.

The breadth of subjects on which Friedel has spent his intellectual energy shows the possibilities that exist in his field. Friedel has looked at his technological subjects from a variety of different angles.

In his current study of materials, he is taking a cultural approach.

"I start from a couple of premises that might seem trivial, yet are profound when you consider them," he says.

"The first is that everything is

made from something. All these things we own and use have a material basis. The second premise is that the material itself determines the uses and status of an object. The material affects how we value and regard the object."

To illustrate the idea, Friedel displays two coffee cups; one is a styrofoam cup and the other a commemorative ceramic cup. From a technical point of view, the styrofoam cup is the better cup, he says. It keeps coffee warm and is inexpensive and unbreakable.

Yet, the ceramic cup is seen as having more value. That's because of the way people view the two different materials, Friedel says.

Ceramic is a decorative and aesthetically pleasing material while styrofoam is functional and disposable. Given a choice, most people would prefer the ceramic cup. And in making this choice, it's the material to which they're responding, Friedel says.

Such a view can lead to some fascinating discussion. One frequent criticism of the modern age is that our society has become surrounded by so much technology that we've become alienated from the natural world.

"You can make the argument that this results not because there's too much technology, but because the materials that make up these things create the sense that technology is removed from nature," he says.

"The materials—the plastics and metal used—are so totally foreign to what exists in nature that it is the material which creates a sense of artificiality."

In his other studies, the histories of the light bulb and plastic, Friedel explored how new technologies are discovered and applied.

In his book on the light bulb, for instance, Friedel studied extensive notes written by Thomas Edison as the inventor developed his creation. The book provides a look over Edison's shoulder during the long months in which he brought his vision into reality.

Friedel's book on plastics touches on another interesting issue—the application of new products.

"The first uses that people perceive for a new technology are often very bad ones," he says.

The first plastic, celluloid, was produced in the late 19th century by an inventor searching for an inexpensive substitute for ivory billiard balls. Celluloid made lousy billiard balls. And other early celluloid products tended to be imitations of more expensive materials, Friedel says.

It took years before people began to understand how to take advantage of the unique characteristics of plastics.

In addition to the work with materials, Friedel is currently overseeing a history of the Goddard Space Flight Center. ■

—Brian Busek

Everything Is Made From Something

The proposition seems as simple as they get: everything is made from something.

But, as Robert Friedel, associate professor of history, helps illustrate in an upcoming exhibition at the Smithsonian Institution's National Museum of American History, there's more to the statement than meets the eye. "It's a Material World," an exhibit that will cover much of the museum's main floor beginning April 7, will prod viewers into taking a new look at objects around them.

For instance, take the automobile. If you think about it, an automobile is made mostly of steel. But it's not

the kind of thing a person usually thinks about since steel seems so natural to the construction of an automobile.

Well, the first object one will see in the exhibit is a wooden car made, quite soberly, by the Liberty Motor Company in 1912. The woodmobile wasn't much of a roadster, but that's not the point, Friedel, primary consultant for the exhibit, says.

The point is that such an object begins to open our eyes to the complex ideas wrapped into everyday artifacts. It reveals how people at a different time in history viewed different materials, and it shows that materials

often define the value of an object.

Such lessons will be on display in the more than 300 objects which will be part of the exhibition. Different parts of the exhibition will describe the characteristics of various materials and show how types of materials and attitudes towards them have changed throughout history.

Among the intriguing qualities of the exhibition will be the odd juxtapositions of materials and objects. For instance, one will find flutes made of gold, glass, platinum and hard rubber.

For information about the exhibition, call 357-1300. ■

Prince George's Alumni to Hold Oysterfest

The University's Prince George's County Alumni Club is sponsoring an Oysterfest Feb. 27, beginning at 6:30 p.m. in UMCP's South Campus Dining Hall. Feast on oysters (raw, fried or stewed), honey glazed ham and other Maryland delicacies. Enjoy unlimited beer on tap throughout the evening and a cash bar with wine and mixed drinks. There will be

dancing, prizes and the ever-popular money wheel. Proceeds from the evening will benefit the P.G. County Alumni Chapter Chancellor's Scholarship Fund. To make reservations (\$18), send a check payable to *Prince George's County Alumni Club* by Feb. 17 to Karel Petraitis, 4321 Hartwick Road #L201, College Park, MD 20740. For more information, call Ms. Petraitis at 277-1443 (daytime) or 474-7667 (evenings).

COLLEGE PARK PEOPLE

IN THE SPOTLIGHT:

Grace Russell: The Dressing for a Five "Dean" Salad

For some people, having had five bosses in eight years might be a little disconcerting.

Not so Grace Russell.

During her eight years with the College of Business and Management, Russell has had the pleasure of being associated with five Associate Deans. Her current boss is Burt Leete, who has held the post since June 1986.

"I've enjoyed working with all of them; I've learned something from all of them," Russell, who started as a secretary with the college and is presently office supervisor, says.

What Russell likes best about her job are the opportunities she has been given to handle a multitude of responsibilities.

Dean Rudolph Lamone, Assistant Dean Brown, Associate Dean Leete, seven classified staff and several student workers populate the suite of offices on the third floor of Tydings Hall.

"We are very lucky here," she says of her office colleagues. "We are made to feel appreciated by the deans. I'm fortunate to work with a wonderful staff of classified employees who are all very hard workers. We are very close knit and socialize together outside of the office. It's such a nice place to work, a nice working atmosphere. The deans encourage us to take advantage of the resources of the university and the opportunities for advancement."

"With five deans, I have had to



Grace Russell

work very independently," she says. She handles academic affairs, the payroll for all faculty and administrators, promotion, tenure, hiring, textbook orders and other academic matters. She works mainly with the college's 120-140 faculty members and has come to know

most of them very well.

"Grace is a very significant asset for the college," notes Leete. "She interacts with the faculty very well and helps resolve many of their problems from scheduling classes to ordering textbooks. She is an invaluable resource."

One measure of how invaluable she

is was her selection to serve on the search committee that will screen and interview candidates for the new associate director for undergraduate studies in the college. She is the only classified employee on the committee.

Although she had provided secretarial backup for other search committees in the past, she had never been asked to help in the selection process. "I thought to myself, 'Gee, here I am a classified employee and I've been asked to sit on the committee.' I think that speaks very well of this college and the people who are leading it."

Before joining UMCP, Russell worked with the Easter Seal Treatment Center in Bowie for four years. A Riverdale resident and Northwestern High School graduate, she has two grown children—son Robert, who graduated from the college with a degree in finance and is presently manager of the Hyattsville branch of Sovran Bank, and daughter Cathy who is affiliated with AA Winchester Homes, a Greenbelt homebuilder.

For two years, Russell served on the Personnel Practices Conference Committee, an arm of the Chancellors Commission on Women's Affairs.

In her spare time she enjoys working with ceramics and is an active volunteer with the First United Methodist Church of Hyattsville. ■

—tom otwell

Behind the Scenes...

St. Valentine's Day—Candy, Flowers, Dinner Out and Other Delights



St. Valentine's Day. A day of reaffirming love and affection for husbands, wives and significant others—at least that's what the FTD florists and Hallmark greeting card folks would have us believe.

A random and highly unscientific sampling of people who work on the UMCP campus reveals the following insights.

Richard Baker, assistant supervisor, Paint Shop, says: "Just the usual things—a nice card, a box of candy and maybe a gift. This year I might break

down and take her out to dinner."

"Since I'm not tied down, I don't do anything specifically," reports **Dave Black** of Physical Plant Work Control.

Steven Petkas, community director, Denton: "I've not followed the tradition of observing the day but this year, under pain of death, I'll be doing something for my significant other. We'll probably go out to dinner and have a great old time. In the past, flowers have been received with varying degrees of exuberance."

Kate Warzinski, assistant to the director for information dissemination, Systems Research Center, says: "Each year I make a heart-shaped meatloaf for my husband. We've been married for four years and it has gotten to be something of a joke, but my husband says I'm a great cook."

"Nothing special," says **Stephen Trantum**, maintenance supervisor IV in the Electrical Shop. "I treat it like a birthday and usually give cards and a box of candy."

Reed McCain, AC mechanic in the Air Conditioning Shop, has been married to wife Jean for 42 years. "I

usually give her flowers, roses," he says.

Robert Johnson, audio-visual technician in Hornbake's non-print media center says he usually sends cards and candy to friends and children.

"My husband Jimmy doesn't wait for special occasions to give me a gift," reports **Veronica "Midge" Haerer**, administrative aide to the Dean of the College of Computer, Mathematical and Physical Sciences. "One year I might be overwhelmed with four or five gifts and the next year nothing. I used to kid him about never getting a card for me, and one year he went out to buy one and they were all sold out. So he went down to his workshop and made a huge wooden heart with an arrow through it that says 'Jimmy Loves Midge' and hung it on our cellar stairway. Now every Valentine's Day he takes me by the hand, leads me down the steps and says: 'There's your card.'"

"Absolutely nothing!" exclaims **Anna Waller**, BSOS program analyst. "Now that Bill and I have three

daughters, we get them Valentine's Day cards to give."

"I have no typical pattern of observing the day with a card or a bouquet of roses or maybe a fast trip out to California. It all depends on the time, the place and the woman," observes **David Donaldson**, architect II, Engineering and Architectural Services.

"We don't cook and we don't do flowers," reports **Susan Kernan**, travel administrator in the office of the vice chancellor for administration. "We always do something special, something different, usually a trip out of town. Since our wedding anniversary is the following weekend, we usually try to fold St. Valentine's Day together with the anniversary."

Arthur Dixon, food production manager with dining services, has been with the University for 31 years. He and his wife Romaine have been married 35 years. "I usually have the florist send flowers to the house when I know my wife will be at home," he says. ■

Nyumburu Cultural Center's Black History Month Events

Feb. 8—Blues in American Culture with Archie Edwards performing and commentary by Otis Williams, 11:30 a.m., Counseling Center. This event is sponsored jointly by Nyumburu and the Counseling Center. Free of charge.

Feb. 15—Turner's Arena, jazz band, blues vocalist and tap dancer Nap Turner and Brother Black will perform, 1 p.m., Nyumburu Center, Rm. 3123 South Campus Dining Hall. Free of charge.

Feb. 16—"Where are the Love Poems for Dictators?" a reading by poet Ethelbert Miller, 4 p.m., Nyumburu Center, Rm. 3123 South Campus Dining Hall. Free of charge.

Feb. 24—Black Quest (Trivia Game), 7 p.m., Nyumburu Center, Rm. 3123 South Campus Dining Hall. Free of charge.

Feb. 29—Daniel Womack, singer of spirituals and an instrumentalist in the blues tradition will perform chords on guitar and ragtime on the piano at 1 p.m., Nyumburu Center, Rm. 3123, South Campus Dining Hall. Free of charge.

For more information on any of these events, call the Nyumburu Cultural Center at 454-5774.

How Can the Campus Attract More Black Graduate Students?

GRAPEVINE continued from page 1 with representatives from companies anxious to hire minorities...But it comes back to people, even to a single person in a particular department who is responsible for recruiting minorities. That person's intent has to go beyond affirmative action guidelines. Affirmative action implies something you have to do, not what you want to do. There's a big difference."

James D. Greenberg, Director, Laboratory Experiences and Outreach Programs, College of Education: "For a number of years, our college has been working through outreach graduate programs where we take our M.Ed. and Ed.D. programs to off-site locations throughout the State. In the Baltimore region and in other areas we have attracted a number of Black graduate students primarily because we have come to them. We made our programs more accessible in areas where they

previously were not available. I don't know if that particular model is appropriate for all the graduate programs on the campus, but the concept of making programs more accessible and more flexible in delivery should increase the numbers of minority students we reach."

Diana R. Jackson, Assistant Dean, College of Behavioral and Social Sciences: "Black students choose graduate programs looking at a number of variables. Their selection criteria include their perceptions of the quality of individual programs, as well as the institution; the availability and extent of funding for graduate study; and their perception of their potential for succeeding in the program. With respect to the third variable, potential for success, a critical factor for Black and other minority students becomes the receptivity of the institutional and departmental environments to minorities. A

most important indicator of the campus and/or departmental "climate" is the relative presence (or absence) of Black faculty. Black students seek out such faculty to serve as research collaborators, advocates, role models and mentors. The extent that Blacks remain underrepresented on our faculty, we will continue to suffer from negative perceptions of our environment. We must be as aggressive in our recruitment and promotion of Black faculty as we are beginning to be in recruiting Black students."

Irv Goldstein, Professor and Chair, Dept. of Psychology: "Presently, 25 percent of the Ph.D. students in our graduate program are minority students. In the last five years, 20 minority students have earned Ph.D.s. We are often asked how we are able to recruit minority students. The answer is that our efforts are not focused around recruitment but rather toward the develop-

ment of necessary support programs to enable our students to complete the requirements for the Ph.D. degree. This includes a number of different types of support programs such as financial aid packages, support classes in various subjects, tutoring, and general support groups. This effort is administered by the department's Minority Affairs Committee which includes students and faculty charged with the responsibility of keeping the department aware of the needs of our entire community of students, staff and faculty. The committee administers a budget for the support programs which comes from the department's operating resources. A critical ingredient for all of these programs is that our faculty strongly support the values concerning our affirmative action programs. We also accept the natural tension that occurs when persons with diverse cultural values are in one program. The outcomes of cultural diversity are stimulating for our faculty, students and staff and for our teaching and research programs. This does not mean everything always goes smoothly. However, we find that as long as we are willing to honestly face the issues, our best recruiters are our own students and Ph.D.s because they are anxious to talk about what we are accomplishing here."

Benjamin F. Holman, professor, College of Journalism: "The biggest barrier to Blacks going into higher education is that they see it controlled by whites who are at the least insensitive to them, and at the most hostile to Black scholars and their research. ... This problem is never phrased that way, we always use euphemisms like 'standards of excellence.' But usually on a case-by-case basis Blacks do not meet those standards. I ask who sets those standards anyway? The problem is not with Blacks—there are plenty of bright young Black students out there—the problem lies with the institutions. The first step would be to become more sensitive to the issues explored by black scholars. ... Another step would be in recruitment. When a department wants a particular person—even when there are all kinds of personnel rules—they go to extraordinary ends to make sure that scholar knows he is wanted. They really have to do that with black scholars—extraordinary overtures, not just EEO. And I think that applies to graduate students as well. You cannot conduct that interview in the normal fashion, you have to go out of your way because the black student is sitting there wondering 'what kind of EEO games they are going to play?' Whites are reluctant to do this because it brings up issues of reverse discrimination. They don't want to break the cycle. But given the history and attitude of black students, unless white faculty and administrators go out of their way, they are never going to break the cycle."

FYI



These students spent part of their winter break learning to drive the campus' Shuttle UM buses. The shuttle services' 28 buses operate seven days a week when school is in session.

Register for Children's Dance Lab

Dance classes for children begin Feb. 20. The Dept. of Dance's Creative Dance Lab is a community movement program for children and teens which offer a variety of creative and modern dance programs. Parents wishing to register their children may obtain a form from director Susan Haigler de Robles, Dept. of Dance, Temporary Building EE, or by calling the department office at x4056.

Commuter Affairs Looking for Outstanding Student

The Office of Commuter Affairs would like faculty and staff to nominate outstanding students for its 1988 Award for Outstanding Service to Commuter Students. Please for-

ward names of nominees to the Office of Commuter Affairs, 1195 Stamp Student Union, or contact Anita Ahalt at x5274. The deadline for the nomination process is March 1.

Register to Attend Women's Studies Research Forum and Dinner

Six campus scholars will present papers based on their current research endeavors at the second annual Women's Studies Research Forum, Friday, Feb. 19, 1988, 4-9 p.m. in the Stamp Student Union, Rm. 1137. Cost of the forum and dinner is \$15.25 and should be sent by Feb. 11 to: Stephanie Prete, Research Forum Coordinator, Women's Studies Program, Mill Building. For more information, call x3841.

Journalism Alum Gives \$10,000

Joe Adams, 1961 alumnus of the College of Journalism and president of The Adams Group, an advertising agency in Rockville, made a \$10,000 gift to the College in honor of Dr. Regis Boyle, now retired from the college. "She had a significant role in my young life," says Adams. "When nobody else expected too much from me, she demanded it."

Correction

On Jan. 25, Outlook incorrectly identified the chair of the Committee on the History and Philosophy of Science. Jeffrey Bub, professor of philosophy, is CHPS chair.